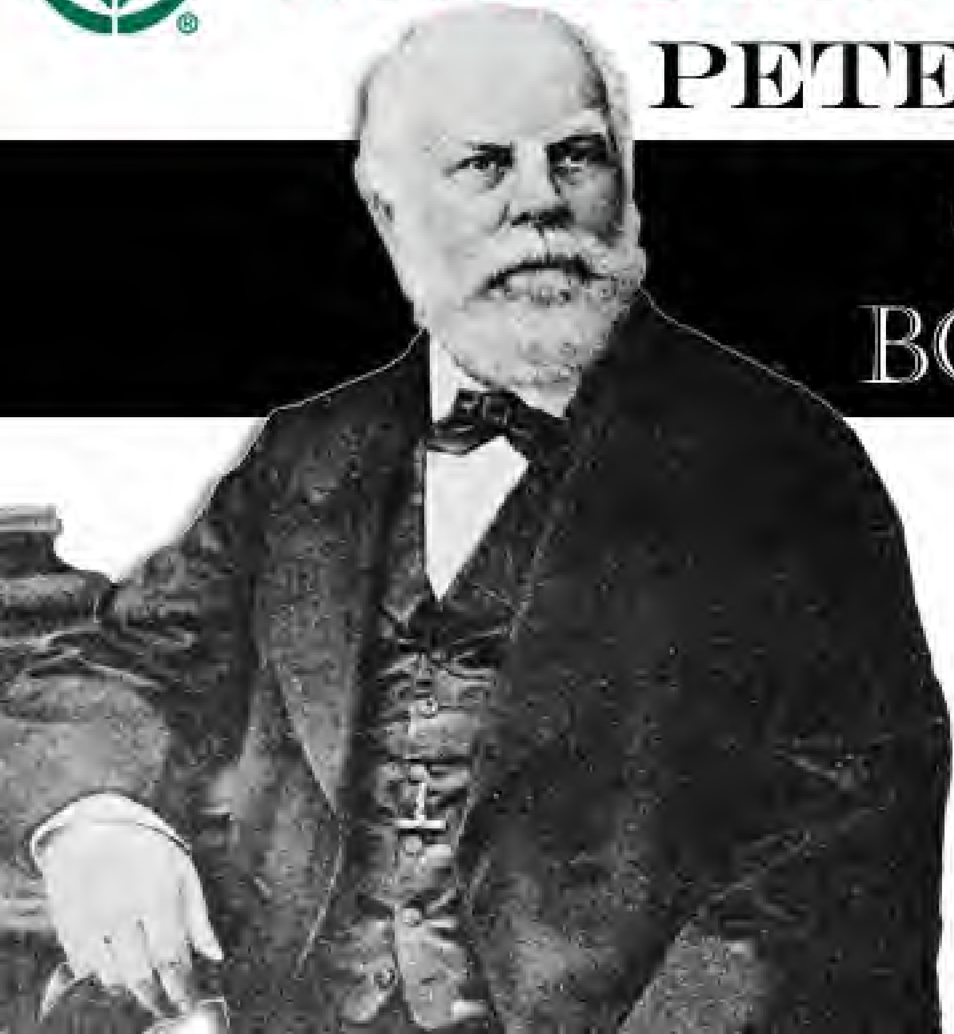
Missouri Bo

PETER H

GEO

BOTA



Sinc
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nu

Cuscuta

I Eucuscuta

§ 1. floribus sessilibus s. ~~subsessilibus~~ breviter pedicellatis stylis ovarium aequantibus seu eo brevioribus. Brevistylae

1 C. Epilinum. Weih Europa, Asia Africa
2 C. Europaea Lin Europa, Asia
3 C. Kurdica n. sp. Asia
4 C. Persica Dne mss Asia
5 C. brevistyla A. Br. Asia Africa
6 C. globulosa Boiss & Reut. Asia
7 C. capitata Roxb. India & Kaschmir.

§. 2. Longistylae

8 C. planiflora α vera
β. turgida
a, calycis lobi carinati
b. — profunde partiti
c. corolla papillosa
d corolla acutiloba
9 C. Palaestina Boiss Europ Asia
10 C. Epithymum. α vera
β. macrantha s.
γ. brachycalyx
δ. rubicaulis s. alpina
ε. angustiloba s. rubella
ζ. obtusiloba
11 C. Abyssinica Richard

§ 3. Truncatae floribus pedicellatis, calyce truncato, stylis ovario longioribus

12 C. elegans Boiss & Balansa Asi
13 C. babylonica Aucher Asi

§ 4. Astylae floribus plus minus pedicellatis, stigmatibus subsessilibus capsulis saepius subbaccatis

14 C. Kotschyana Boiss Asi
15 C. pedicellata Ledeb. Asi
16 C. pulchella n. sp. Asi
17 C. Arabica Fresen. Arabi, Aegypt.

II Pachystigma §
§. 5. Capenses

18 C. angulata n. sp. Cap. b. Sp
19 C. nitida C. Mey ?
~~20~~ C. ~~Africana Thunb.~~ ~~Capensis Chois.~~
Chois.
20 C. Africana Thunb. Chois ?

III Kalli[illegible]
§. 6. Macranthae

21 C. reflexa Roxb. Indi
22 C. recta n. sp. China

IV Monogynella.

§. 7. monogynae

29 C. Texana n. sp. Texas

7 28 C. cassytoides Nees Cap

7 27 C. lupuliformis Krock Eur. As.

7 26 C. monogyna Vahl Eur. As.

7 25 C. Timorensis Dne Ind. or.

7 24 C. Lehmanniana Asia

8 var. esquamata.

23 C. Griffithiana n. sp. Asia

order reversed!

V. Grammica

A. Circumscissae

a. brachystylae, stylis brevibus plerumque e basi crassa subulatis.

§8. obtusilobae

* esquamatae.

30 C. grandiflora HBK. Am. aust.

** squamatae.

31 C. odorata R. a Pav. Am. aust

32 C. Jalappensis Schlecht Mexic

33 C. botryoides n. sp. Am. aust.

34 C. chilensis Ker. Am. aust

35 C. tinctoria Mart. Mexic

26 C. applanata n. sp. Sonora

§. 9. acutilobae

27 C. foetida HBK Am. aust.

12 28 C. acutiloba n. sp. Peru Am. austr.

13

§. 10. Angulatae

29 C. ciliaris Boiss. Asia 50.

40 C. Chinensis Lam Asia Austral.
var carinata
var sibirica

14

6. leptostylae.

15

§. 11. brachylobae 51.

16

1 41 C. Americana L. tenuis A. aust.
~~robusta~~
grandiflora (globulosa)
parviflora (congesta) 52.

1 42 C. longiflora a/ Popayanensis HBK 53
stylosa Chois
corymbosa R & P.

2 43 C. floribunda Kunth. Mexico 54.

2 44 C. prismatica Pav. Chois. Am. aust.

§. 12 leptolobae 55.

45 C. Sonoriensis n. sp. Am. bor. 56.

2 46 C. xanthochortos Mart mss Am. aust. 57

2 47 C. umbellata HBK. Am. bor. & aust. 58

48 C. gracillima n. sp. Mexico 59

49 C. leptantha n. sp. Mexico 60

B. Baccatae

† Gamosepalae

a brachystylae

§. 13. Obtusissimae

50. C. obtusiflora HBK. vera Am. aust.
β. glandulosa Cuba Texas Florid
γ. latiloba India
δ australis China, Australia
breviflora Europa
ε. Cesatiana

51. C. Gronovii Willd Am. bor.
β. explanata
γ. hortensis
δ ? curta
52. C. rostrata Shuttlw. Am. bor
53 C. tenuiflora Engelm Am. bor

§. 14. Corniculatae

54. C. racemosa Mart Am. aust. (Europ)
β. densiflora Hook β. miniata
γ. breviflora
55. C. parviflora n. sp. Am. aust
56. C. microstyla n. sp. Am. aust
57. C. recurva n. sp. Am aust.
58. C. inflexa Engelm Am. bor
59. C. decora Engelm. Am bor & aust.
60 C. corniculata n. sp. Am aust.

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§. 15 Acutae (gymnocarpae)

61. C. Sandwichiana Chois
62. C. acuta n. sp. Gallapagos
63. C. gymnocarpa n. sp. Gallapagos
64. C. sphaerocyma n. sp. Orizaba
65 C. chlorocarpa Engl. Am. bor.
66. C. arvensis Beyr Am bor & aust.
67. C. micrantha Chois. Chili
β. major (olim micranthoides)

b. Leptostylae

§. 16. Obtusatae.

68. C. Tasmanica n. sp. Austral
69. C. dubia n. sp. Am. aust.

§ 17. Acuminatae (Calyptratae)

70. C. partita Chois Am. aust.
var? stenolepis
71 C. brachycalyx n. sp. Cap. b. sp.
72 C. subinclusa Dur & Hilg. Californ
73. C. Californica Chois " "
74. C. oxypetala Boiss. Arabia, Nubia.

5066

††. Eleutherosepalae

§. 18. Lepidanche

5. C. cuspidata Engelm. Texas
6. C. bracteata n. sp. ~~Mexico~~ Brasilia
7 C. squamata n. sp. N. Mexico
8. C. glomerata Chois
9. C. compacta Juss
0 C. grossa n. sp. Bolivia

Eucuscuta		17
Pachystigma		3
Kallianche		2
Monogynella		7
Grammica		
circumscissae	20 }	51
baccatae	31 }	

	I.	II.	III.	IV.	V.	
Europa	5	–	–	2	1	(2 8
Asia	16	–	2	5	4	27
Africa	6	3	–	1	2	12
America	–	–	–	1	43/6	44/6
Australia	–	–	–	–		

Species peculiar to

	I	II	III.	IV.	V	
Europe	—	—	—	—	—	—
Asia	9	—	2	3	1	15
Africa	1	3	—	1	1	6
America	—	—	—	1	42	43
Australia	—	—	—	—	4	4

—

Species common to

	I.	II	III.	IV.	V	
Europe & Asia	3	—	—	2	—	5
Europe & Africa						
Europe Asia & Africa	3			—		3
Europe Asia & America & Australia	—				1	1
Asia & Africa	2	—	—	—	1	3
Asia & Australia	—			—	1	1
~~America Asia Australia~~ & Europe	—	—		~~—~~	~~—~~	

13 sp. 2 a ~~glandulosa~~

9 9 acuminata

10 ~~odontolepis~~ [illegible]

6 arvensis var. verus pent.

8 ~~4~~ leptantha

13 12 squamata

1c ~~tenuiflora~~

5 decora

12 cuspidata

3 ~~breviflora~~

7 umbellata

11 californica

4 a curta

2 gland
1 tenuiflor
3 breviflora.

6 arvens 4 curta
5 decora

11 10
Calif. Gronov
7 umbell. Gronov
8 lept.
squam
cuspid.

Wrights & Thurbers Quant

French

13 spec.
8 my spec
6 described before
7 new spec
5 only found in their collecti

~~16 Tint~~
~~1a Americ~~
16 Monog. Tex
~~1d Gronov~~
1c rostr.
~~4b inflexa~~
~~2b chlorocarpa~~
15 paradoxa
14 compacta

C. [illegible]

578 Babocomori Sonora. Sept 51 C. tenuiflora
124 = Mimbres, (Sonora?) Aug. "

breviflora lepto ~~leptantha~~
grossa
~~lept.~~ ~~d. gross~~ ~~lept. antha~~

Wright ~~Valley of Devils river July 6th~~ C. ~~decora~~
Thurber. El Paso
818 = 392 Bottom of Rio Grande below El Paso C. squamata
= 5 = 1628 on Helianthus June 16
~~685 Barboromori Sept. 19~~ C.
= 1623 341 = Sonora C. breviflora
585 Barboromori Sept 19 var of same
529 Sonora C. odontolepis
~~Thurb.~~ 2 Thurber Victoria Texas C. cuspidata
Thurb { 570 San Diego. Calif. on dry. C. acuminata Nutt
" " { 633 San Felipe Calif
371 Hawkspring N Mexico. C. umbellata
695. San Bernardino Sonora Oct 51 "
no number.
510 Limpio valley (there is perhaps in my herbar. a mixture of this and 503. coll on same day C. umbellata ~~[illegible]~~ (~~[illegible]~~) (C decora)
1639 Leona on Euphorbia, July C. leptantha
574 Pecos on stony hills C. [illegible] ([illegible] var)
P ~~Wright Texas~~ 1849 "
484. ~~534. Comanche~~ San Pedro ~~[illegible]~~ C.
534 Comanche spring
503 Limpio C. decora
Fellager Liveoakcreek July 3? 52
Devils river. July 6th
0 1849 west. Texas
503 Limpio

5068

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13. ? Graveolens Kunth?

Choisy in DC. Prodr.

Citata

wanting: C. micrantha
C. inderona
C. spectabilis

wanting yet of American
tetrandra Gay. Prodr.
inderona Bucheri Mutan
~~flexuosa~~ Kunth ~~Humb.~~
"spectabilis Blanchet = ame
C. alba presantica Prodr.

Presl ex Tin. cat. h. pan. 281

Roxb. C. capitata (E. cuneata

C. pedicellata

Ledeb. fl. Alt. 1. p. 293

Aucher Eloy pl. exsic. № 1420 & 3183. C. babylonica
1418 C. arabica
Tourn cor. 45 1418 Hb. V. arabica C. cretica (Epith!
& planiflora.

C. planiflora

Tenore Nap. Fl. 3 p. 250.

C. halophyta (Epith europaea?

Fries nov. fl. suec. Mant. p. 8.

C. alpina (Epith?)

Kotschy. № 388. b. C. ciliaris Hb. H: 17.
431 C
118 & 318

~~Aucher. 1418 C. arabica~~

~~Bové 354~~ " "

~~Schimper. 140~~ " "

Poeppig .. Chili 159 C. micranthoides
Cuba 0 C. anomala
90 (Hb. Schuttler 10)
89 " 11

Blanchet 86 C. racemosa
85. C. spectabilis Chois.
3047 C. partita . Schuttler. 7 !
736 (Schuttler. 6)
Guillemin. 507 C. racemosa Chois

Cayenne H. H. 62. 6. H. W. 67

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Cl. Gay. Chili N 538 C. micrantha. N

815 C. intermedia Chois = odorata ~~816~~ 817. C. odorata (fide Choisy))

816. 817 " " (= C. chilensis

Drège coll. 7833 C. capensis (H. H. 36. a / H. Vind.)

? C. africana (20 = Hb. Vind.

? C. nitida

Herb Delessert ex herb. Burmanni C. Burmanni (Cap b. sp)

Wallich. 1319 C. reflexa H. H

1318 C. macrantha ~~Chois Prodr.~~ Don H. H.

1320 C. Chinensis Lam ——— Hb. H.

1321 " "

Don gen syst 4. p. 305 C. macrantha

! 2386 C. hispidula on the Medina June 1834 (Hb Engelm)

2457 (Hb. Engelm) Matamoras =

Berlandier 1103 Cuscuta inclusa Chois Hb. Vindob 51 !

! 2285 = 865 C. indecora Chois, matamoras in locis paludosis ~~H~~ = Hb. Engelm !

= neuropetala

? ——— 822 C. stylosa Chois. Hb. Vindob. 52 !

Bertero 940 C. odorata fide Chois chilensis (in Porto Rico ?) C. racemosa (Hb. Schltdl 8. & 201 Bertero

205 Corymbosa (Chois) = racemosa

Lund 734 C. miniacea

Bras. Vauthier 252 racemosa var. H. DC. H. Gay. H. V.

Boissier " "

Herb. Moricand ex Pavon C. prismatica Chois

Gaudichaud in Herb Hook C. Sandwichiana Hb. Paris

Saltzman. 351 C. sontabilis Chois

Malaga H. P.

Südfranzösische Ost. H. B.

15 | Andrieux pl. exsicc 214 & 73 C. stylosa Chois Toluca Hb. Vind Hb Paris

5555 racemosa, Rio Janeiro
6068 Maranh, ~~Brazil~~ Hb. Bentham ~~Collecting & Numbers of Herbari~~ arvensis in Hb Benth, and in Hb Hook it is ~~C. partita~~ C. decora
Gardner 5036 C. decora var (Hb. Hook. 43.) H. Benth
3348 C. bracteata n. sp. (" " 44) H Benth
544 C. ~~racemosa~~ mart. (45)
2425 C. trichostylis n. sp. 47. a & b.
1775. C. americana Li " 48 H Schtt. 5
2684 bis C. partita Hb. Vindob to Hb Delessert
616 C. macrantha Ceylon in Hb. Benth.
Drumm. 245. C. umbrosa (Hb. Vind. 48 on Petalostem
247 is the same in Hb. Bentham
248. C. decora ~~cuspidata~~ hispidula " " 49 on Hedyotis H.K.
no nov St Louis, C. ~~chlorocarpa~~ H.K.
Louisiana on Salix C. compacta H K
Texas on Rhus radicans C. Gronovii H K

Cumming 350. C. Chilensis Hb Hook. 51. a ~~H Vind~~ Schtt (9
? 301 " " 51. b. ~~H Vind~~,
274 " " H Vind. 75
sine No C. Popayanensis var. Bay of Magdalena H. Vind. 74
95. Jamaica C. decora ~~H.~~ V. H Benth.

Hartweg 1237. C. Popayanensis Kth (Hb Hook 53) H. Vind 61
1238 C. foetida Kth " 54 " " 62
1863 C. Californica Hb Kew (303) H H.

Sieber 91 Martinique is C. americana!

Lobb. 49 C botryoides n. sp. (Hb. Hook 46)

Alex Mathews
A. M. 661 C. acuminata n. sp. H H. 49 Peru?
486. C. odorata R&Pav H H 50.

Tweedie 1191 Prov. of [illegible] Hb H. 56.
no No C. [illegible] on the Parana H H. 42. b. H Vind. 67

16

5069

Griffith. 682 H.H. 18
683 29
684 28
685 27
686. a 26
b 23
c 24
c× 25 Cuscuta rosea Decaisne mss

688 . . 22
689 21
690 19
691 20 } C. pulchella n. sp. (26.b)

[illegible]. 1320. 1. 30. a
2 30 b
3 30 c
1319 1 31 a
2 31 b
1318. 33. b

Schiede 152 in mus. Paris C. jalapensis Schl.

Hügel 819 (Hb. Vind. 29) planiflora

parviflora n. sp. non Choisy
Pohl. 5726 H Vind. 64 C. micrantha ~~Mart~~ herb. (Martius & Ackerman
5100 H. V. 65 . C racemosa Mart

Martius herb. 941 (H. Vin 68) Sch. 4 C. racemosa

Hostmann 264 H Schutt. 3 ~~Hb. Vindob. 63 Hb. Delessert~~. 63 C. americana
H.H.

1000 Hb. Shutt. 12
Angel 1001 13
~~400~~ 14
400. a — 15
400. b. 21

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Cusc. ~~globuli~~ pilulifera n. sp. Brasilia Eschscholz in Hb. Ledeb. (78)
(globulosa Boiss. orient!)

C. cuspidata Engl. Wright 2. (79)

C. acuminata Nutt. Wr. 570 (80)
Fremont 586 on Monarda (92)

~~C. paniculata n. sp. Wr. 570.~~ ~~82~~

C. leptantha n. sp. Wr. 1639 in part 83

C. tenuiflora E. Wr. 578. (86)
124 "
Grassy Red river.

C. curta n. sp. Fremont. ~~506~~ 79. 1845. (94)

C. gamostyla n. sp. Texas Lindheimer Pl. exsicc. 472 (96)
Wright –
= Monogynella Texana.

5070A

C. cassytoides Nees Drege 3.7. C.B.S. in Hb. Vindob. 40 (108)
Hb Nees
Hb. Berol [21] — H

(CBS)

C. brachycalyx n. sp. Dr Krauss. ~~Z~~ C.B.S. Hb Vindob 34 (104)
Hb. Bernhardi Hb. Juerrani

Drege sub. nom. „Capriana Th. a." in Hb Mus. Paris
C. nitida E. Meyer (CBS) Drege 1.11. in Hb. Vindob. 41 (103)
Drege in Hb Vindobon 42 (102) Hb. Hook 37 (105)
Scholl — — — 32 (100) Hb Vindob 37. 35 (98)
Portenschlag — — 33 (100) "africana" Bergius
Harvey 460 Hb Hook 36. 6 (107) " " — Ecklon 77.11
Zeyer 1235 in Mus. Paris
var squamosa ~~Hb~~ Pappe, Hb Hook 34.a (109)
34

(CBS)

C. africana Thunb? ~~C. capensis Chois!~~ Chois Drege 7010 Hb. Vind 43 (101)
Mund & Krellani Hb Hook 38.a (106)
Zeyher No. 3447 (Mus Paris)
var grandiflora Drege 7833. Hb Vindob 38 (99) Hb Hook 36 a Hb. Paris
= C. capensis Chois. ~~Dr~~ Thom 508 Hb Hook 34.a (99)
Mund & Maire in Hb Berol

(sub nom C. Africana Sc.)
C. pentaptera n. sp. Drege in Hb. Vindob. 36 (97) (CBS)
Mund in Hb Hook 38. c.
Harvey & Herb Hook 35 (97)
Drege in Mus. Paris sub nom C. Africana Th. c "
Hb. Bonpland in Mus Paris "

C. densiflora Hook N. Zealand in Hb Berol (110)

C. stenolepis n. sp. Andes, Quito, Francis Hall in Hb. Berol (111)

C. ~~corniculata~~ nodigera n. sp. Brasilia merid. Sellow. 3621 & 2489 (113. 114) Hb Berol

5070 B

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C. europaea

Persia, Kotschy 692
halophyta, Transcaucasia
Viciae Germany & St Domingo! Freyling, Lobsbach
monocarpa Freyling, Carlsruhe, Heersum Vogesen (Vosges)
communis Germany, Annulca
Tyrol
Piemont & Wallis (Reichenbach 4 & 5)
Russia Lessing N. 41
tetrasperma, Parma
Abbruzze Huet de Pav. 394 ———— Gr
Upsala
Constanz
Vire, Normandie
brachystyla Armenia, ~~Russia meridional~~

5071

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C. alpina   meridionalis   rubricaulis   = Kotschyi Deoni

C. pauciflora Ten , Neapel

Sierra Nevada Schimper

Dalmatia (Ehrenberg)

planiflora   Taygetus an Daphne ——— Gr

Sicilia .459 Herb de Pavill ——— Gr

Dauphiné 4006 Grisebach ——— Gr

Wallis   Shuttleworth

Isonzo ——— Grisebach ——— Gr

Pyrenäen

Triest

Piemont.   Reichenbach

var pedicellata

Messina, (an Artemisia) Colutea Canturaria

Bozen } Artemisia

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Cuscuta Epithymum

var. hortensis

brachycalyx. — Piemont on Arenaria Reichenbach No 6
Altai Ledebour
Sicilia Presl. (alba!) on Zizyphus
Eur. austr. on Quercus (Sieber)
Parnassus (macranthes & Calliopes) (fig 170 & 171)
Sierra de Chiva Spain Willk 52. a (fig 153
Pyren., Bourgeau — Gr.
Germany everywhere
Orient Herb. Tournefort
south Russia & Krimm, Demidoff
Engadin — Gr.
Constanz, Eglisau
Siebenbürgen — Gr.
Tyrol
Fontainebleau
Jura, 3000'
Vire, Normandie

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C. planiflora? subsp. 1. approximata. England. Babington (133
Piemont, Reichenbach. No 7 (120)
Weilmunster, Andrä (132
Bithynia, Thirke (128) Gr.
Himalaya Hugel 819 (196)
Smyrna, Balansa (143) Gr
(urceolata!) Spain Willk 263 (138)
— Schimper (138)
(cupulata!) Caucasus, Grusien, Altai, Ural
Syrien (164) (167 etc)
intermediate between this and next as regards the calyx; not the scales
Egypt ~~Dr~~ Fischer (207)
near Epithymum! ? Carlowa Thracia. Griseb (145) Gr
leucosphaera. Heldr. Parnassus (167) Gr?
Balansa 414 Asia minor (Hb Gris (152) Gr
Rumelia Griseb. (127) Gr
var? abbreviata Kotschy 580 Teheran (161) styl brevi: ... Gr

---

2. alba & microcephala
Teneriffe (Mus Paris.) (177)
Canaries Dr Finlay in Hb Hook 10 (192
Mauritania ~~D~~ Bove (149)
Portugal Welwitsch 192 (188
Spain Reuter
Almeria (Boissier? (156) — Gr.
Malaga (187)
Sicilia Palermo H. de Pav. (150) - Gr.
Dr Helfer (186)
Dr Smith & Hb Hook.
Corsica Dr Thomas in Hb Hook
β. capitulis majusculis laxioribus etc
(calycina Webb?)
Portugal ~~Port~~ Deakin in Hb Hook (190)
Spain Willk 303 (146.155)
(Epiplocarum!) Teneriffe Bourgeau (176) (Gr.
Bolle (~~174~~ 175.)
γ? parviflora Portugal Link (154)
an spec propria? δ? Schimperiana Kotschy, 118. 318. (160.165) Gr

C. ~~candida~~ n. sp.
alba; Epithym. stock

1. vera microcephala 150 ct
2. capitulis majusculis calycis lobis latioribus
magis carinatis

166. 155 Willk. Spain } var calycina
190 Portugal
174. 5. 6. Canaries }

var? parviflora.

var? Schimperiana

C. Epilinum. Germany, England, Ireland, Wales – Massachusetts,
Teneriffe

~~C. babylonica Aucher N. 1420 (fig 173)~~
~~Noë, Tigris~~ (Grisb.

C. rosea Jacquemont mss Mus Paris (211)
Herb. Hook 25 Affghanist. Griffith 686 &

C. elegans Boiss & Reut Hb. Grisb. Ballansa (159) Gr.
Taurus

C cretica Tourn, Mirabello Sieber
Attica Heldreich

C. globulosa Boiss & Reut Balansa 413. Hb. Grisb. (131) Gr
= Balansae Boiss in hb. Balans, Taurus N. 707 (at least in Gr
Hb. Grisb. (157

C. pedicellata Ledeb. Altai (210)

C. Kotschyana Boiss Persia (166) Gr.

C. ~~Arabica Fres~~ Sinai ~~Rüppell~~ (f. 180)
Schimper. 140 (f. 183
var. obtusa ?, ~~Aegypt.~~ Aucher 1418 (182)
Bové 354 (181)

C. pulchella n. sp. Griffith Afghan. 688 – 691 Hook herb. (fig 216)

C ~~macrostyla DC Hass~~.
~~Abyssinica~~ Rich Abyssinia Quartin Dillon 181 (fig 178)

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C. arabica Fresen. Ruppel, Sinai (180) in herb. Francofort. Senckb.
Schimper, Sinai No 140 (183) in herb Hook etc
Aucher-Eloy Herb. d'Orient 1418 (182) in Hb Hook
Bove, in [illegible] (Herb. Paris) (181)
No 354 (Hb. Hook)

C.
C. Babylonica Aucher Pl. exsicc. 1420. & 3183 Bagdad 1837 (173)
Tigris near Katt, Dr Noë May 1851 in hb. Griseb. & Paris "

C brevistyla A. Rich. Schimper Abyssin 1486. (fig. 184)
microstyla Dne mss Sinai (Mus Par) (179)
Affghanistan Griffith 686. 686. 6 & e (Hook herb) (fig old)

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